

EPA United States Environmental Protection Agency FORM R Section 313 of the Emergency Planning and Community Right-to-know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act.		TRI Facility ID Number 77532PNNWL18000 Toxic Chemical, Category, or Generic Name Cumene hydroperoxide				
WHERE TO SEND COMPLETED FORMS:	1. TRI Data Processing Center P.O. Box 10163 Fairfax, VA 22038	2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)				
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank:	Revision (Enter up to two code(s)) <div style="text-align: center;">[][]</div>	Withdrawal (Enter up to two code(s)) <div style="text-align: center;">[][]</div>				
Important: See Instructions to determine when "Not Applicable (NA)" boxes should be checked.						
Part I. FACILITY IDENTIFICATION INFORMATION						
SECTION 1. REPORTING YEAR : 2016						
SECTION 2. TRADE SECRET INFORMATION						
2.1 Are you claiming the toxic chemical identified on page 2 trade secret? <div style="margin-left: 20px;"> <input type="checkbox"/> Yes (Answer question 2.2; attach substantiation forms) <input checked="" type="checkbox"/> NO (Do not answer 2.2; go to Section 3) </div>	2.2 Is this copy <div style="margin-left: 20px;"> <input type="checkbox"/> Sanitized <input type="checkbox"/> Unsanitized (Answer only if "Yes" in 2.1) </div>					
SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)						
I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.						
Name and official title of owner/operator or senior management official:	Signature:	Date Signed:				
Stacy Dorsey HES Manager	Reference Copy: Copy of Record Resides in CDX	2017-06-30				
SECTION 4. FACILITY IDENTIFICATION						
4.1		TRI Facility ID Number 77532PNNWL18000				
Facility or Establishment Name ARKEMA INC						
Street 18000 CROSBY EASTGATE RD		Mailing Address (if different from physical street address)				
City/County/Tribe/State/ZIP Code CROSBY / Harris / BIA Code: / TX / 77532		City/State/ZIP Code / /				
		Country (Non-US)				
4.2	This report contains information for : (Important: check a or b; check c or d if applicable)	<table border="0" style="width: 100%;"> <tr> <td style="width: 25%;">a. <input checked="" type="checkbox"/> An Entire facility</td> <td style="width: 25%;">b. <input type="checkbox"/> Part of a facility</td> <td style="width: 25%;">c. <input type="checkbox"/> A Federal facility</td> <td style="width: 25%;">d. <input type="checkbox"/> GOCO</td> </tr> </table>	a. <input checked="" type="checkbox"/> An Entire facility	b. <input type="checkbox"/> Part of a facility	c. <input type="checkbox"/> A Federal facility	d. <input type="checkbox"/> GOCO
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4.3	Technical Contact name	CAROLYN HERVEY		Email Address	CAROLYN.HERVEY@ARKEMA.COM		Telephone Number (include area code and ext.)	281-328-9430	
4.4	Public Contact name	STACY DORSEY		Email Address	STACY.DORSEY@ARKEMA.COM		Telephone Number (include area code and ext.)	281-328-9422	
4.5	NAICS Code(s) (6 digits)	a. 325199 (Primary)	b.	c.	d.	e.	f.		
4.6	Dun and Bradstreet Number(s) (9 digits)								
	a. 002290773								
	b.								
SECTION 5. PARENT COMPANY INFORMATION									
5.1	Name of U.S. Parent Company (for TRI Reporting purposes)	ARKEMA DELAWARE INC					No U.S. Parent Company (for TRI Reporting purposes) []		
5.2	Parent Company's Dun & Bradstreet Number	NA []	622121697						

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*** Do not send to EPA: This is the final copy of your form.***

EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION		TRI Facility ID Number 77532PNNWL18000	
		Toxic Chemical, Category, or Generic Name Cumene hydroperoxide	

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) 000080159
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) Cumene hydroperoxide
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive). NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.) NA
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SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
 (Important: Check all that apply.)

3.1 Manufacture the toxic chemical: a. <input type="checkbox"/> Produce b. <input checked="" type="checkbox"/> Import	3.2 Process the toxic chemical: a. <input checked="" type="checkbox"/> As a reactant b. <input type="checkbox"/> As a formulation component c. <input type="checkbox"/> As an article component d. <input checked="" type="checkbox"/> Repackaging e. <input type="checkbox"/> As an impurity	3.3 Otherwise use the toxic chemical: a. <input type="checkbox"/> As a chemical processing aid b. <input type="checkbox"/> As a manufacturing aid c. <input type="checkbox"/> Ancillary or other use
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SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	<input checked="" type="checkbox"/> 05 (Enter two-digit code from instruction package.)
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SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (Enter code)	C. Percent from Stormwater
5.1	Fugitive or non-point air emissions	NA []	173.68	E1	
5.2	Stack or point air emissions	NA []	0.025	E1	
5.3	Discharges to receiving streams or water bodies (Enter one name per box)	NA [X]			
Stream or Water Body Name		Reach Code (optional)			
5.3.1	NA				

*For Dioxin and Dioxin-like Compounds, report in grams/year

**Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999
pounds.

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EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)		TRI Facility ID Number 77532PNNWL18000	
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SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (Continued)				
		NA	A. Total Release (pounds/year*) (Enter range code** or estimate)	B. Basis of Estimate (Enter code)
5.4-5.5	Disposal to land on-site			
5.4.1	Class I Underground Injection wells	[X]		
5.4.2	Class II-V Underground Injection wells	[X]		
5.5.1.A	RCRA subtitle C landfills	[X]		
5.5.1.B	Other landfills	[X]		
5.5.2	Land treatment/application farming	[X]		
5.5.3A	RCRA Subtitle C surface impoundments	[X]		
5.5.3B	Other surface impoundments	[X]		
5.5.4	Other disposal	[X]		

SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS	
6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)	NA [X]

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EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)						TRI Facility ID Number 77532PNNWL18000			
						Toxic Chemical, Category, or Generic Name Cumene hydroperoxide			
SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS						NA [<input checked="" type="checkbox"/>]			
6.2.1 Off-Site EPA Identification Number (RCRA ID No.)									
Off-Site Location Name:						NA			
Off-Site Address:									
City		County		State		ZIP		Country (Non-US)	
Is location under control of reporting facility or parent company?						[] Yes [] No			
A. Total Transfer (pounds/year*) (Enter range code** or estimate)			B. Basis of Estimate (Enter code)		C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)				
SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY									
[] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.									
a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]				c. Waste Treatment Efficiency Estimate				
7A. 1 a	7A. 1 b				7A. 1 c				
A	2 : A03 3 : H040				E4				
7A. 2 a	7A. 2 b				7A. 2 c				
W	2 : H121				E4				

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EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)	TRI Facility ID Number
	77532PNNWL18000
	Toxic Chemical, Category, or Generic Name
	Cumene hydroperoxide
SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES [<input checked="" type="checkbox"/>] NA - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category. Energy Recovery Methods [Enter 3-character code(s)]	
SECTION 7C. ON-SITE RECYCLING PROCESSES [<input checked="" type="checkbox"/>] NA - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category. Recycling Methods [Enter 3-character code(s)]	

SECTION 8. SOURCE REDUCTION AND WASTE MANAGEMENT					
		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1 - 8.7 Production-Related Waste Managed					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	11.5704	173.705	250	250
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery on-site	NA	NA	NA	NA
8.3	Quantity used for energy recovery off-site	NA	NA	NA	NA
8.4	Quantity recycled on-site	NA	NA	NA	NA
8.5	Quantity recycled off-site	NA	NA	NA	NA
8.6	Quantity treated on-site	NA	NA	NA	NA
8.7	Quantity treated off-site	NA	NA	NA	NA
8.8	Non-production-related waste managed**		NA		
8.9	<input checked="" type="checkbox"/> Production ratio or <input type="checkbox"/> Activity ratio (select one and enter value to right)		1.11		
8.10	Did your facility engage in any newly implemented source reduction activities for this chemical during the reporting year? If so, complete the following section; if not, check NA.		NA <input checked="" type="checkbox"/>		
	Source Reduction Activities (Enter code(s))	Methods to Identify Activity (Enter code(s))			Estimated annual reduction (Enter code(s)) (optional)
8.10.1	NA				

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** Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes

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Additional optional information on source reduction, recycling, or pollution control activities.

Section 8.11: If you wish to submit additional optional information on source reduction, recycling, or pollution control activities, provide it here.	
Topic	Comment

Section 9.1: If you wish to submit any miscellaneous, additional, or optional information regarding your Form R submission, provide it here.	
Topic	Comment
Changes in Production Levels	An increase in production of the associated product contributed to the increase in the production ratio.
Calculation Methods, e.g., Emission Factors	The calculation methods and data used for determining the fugitive and point source air emissions were revised for 2016.
Production or Activity Variable	Production ratio/variable is calculated as follows: (total production of Luperox 188M75 for current reporting year)/(total production of Luperox 188M75 for previous reporting year).
Dun and Bradstreet Not Applicable	The facility's Dun and Bradstreet number is provided above with the Parent Company Name and D&B number.